



**NRL BAA Announcement
#53-15-01C**

HIGH FREQUENCY RADAR (CLASSIFIED)

The Systems Section of the Advanced Radar Branch of the Naval Research Laboratory (NRL) conducts research and development in concepts and techniques for using high frequency (3 MHz to 30 MHz) radar to meet U.S. Navy mission requirements. Focus is on high frequency electromagnetic wave propagation and scattering (sky-wave and surface wave), radar system performance forecasting, radar system testing, radar data transfer, signal processing methodologies, spread Doppler clutter mitigation and use of the radar return to classify targets. Additional information on this new type of radar is available in Chapter 20 of the "Radar Handbook", edited by M. I. Skolnik, McGraw-Hill, 2008 and in "Applications of high-frequency radar," Radio Science, Vol. 33, No. 4, Pages 1045-1054, July-August 1998.

In order to provide a clear understanding of all aspects of the proposed program, classified proposals are acceptable. If the offeror is proposing to perform research in a classified area, indicate the level of classification of the organization, the Principal Investigator and all the proposed personnel, and the agency that issued the clearance; if a formal (classified) proposal is requested by NRL, an unclassified executive summary should accompany the proposal.

****CLASSIFIED PROPOSALS****

Proposals in response to a classified BAA topic, SHALL be sent REGISTERED MAIL or FEDEX OVERNIGHT, contain separate volumes for the Technical and Cost proposals, be double wrapped/packaged, stamped "SECRET OR CONFIDENTIAL", on the inner packaging only, NO TOP SECRET OR HIGHER MATERIAL SHALL BE ACCEPTED, and mailed in hard copy to the following address:

Address required for outer wrap (ATTN: REGISTERED MAIL SECTION)
Naval Research Laboratory
4555 Overlook Ave., SW,
Washington, DC 20375-5320

Address required for inner wrap (ATTN: RITA BREDE, 3200)
Naval Research Laboratory
4555 Overlook Ave., SW,
Washington, DC 20375-5320

All other instructions for formal proposal submission apply.